Dart Aerospace Ltd. Tuesday, 3/20/2007 1:51:48 PM Date: Kim Johnston **Process Sheet** : AFT CROSSTUBE **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 31369 **Estimate Number** : 10377 : D2890 Part Number :NIA P.O. Number D2890 REV B S.O. No. : N/A **Drawing Number** : 3/20/2007 This Issue : N/A Project Number : NC Prsht Rev. : MA : B : PURCHASED PARTS Type **Drawing Revision** First Issue : NA : 31368 Material Previous Run Each : 4/10/2007 Qty: 1 Um: Due Date Written By Checked & Approved By Removed Bending procedures KJ/JLM : Est. 05.03.21 Comment Additional Product Job Number: Description: **Machine Or Operation:** Seq. #: 1.0 D6008180 Crosstube extrusion 1.0000 Each(s) Comment: Qty.; 1.0000 Each(s)/Unit Total: Pick: Batch Description Qtv Part # 25667 D6008-180 Crosstube extrusion 1 2.0 BENDING Comment: BENDING MACHINE 1-Bend D2890 as per Dwg D2890 and Folio FT002 DIMENSIONAL CHECK 3.0 ac15 Comment: DIMENSIONAL CHECK LANDING GEAR 1 LANDING GEAR RESOURCE 1 4.0 Comment: LANDING GEAR RESOURCE 1 1-Deburr and Polish HAND FINISHING RESOURCE #1 5.0

Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

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W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Dort No.					NOD: Vas	Na BOA		Data	
Part No	-	PAR #:	Fault Cate	gory:				_ Date: _ _ Date: _	
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NCR)			
		Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector
							1		

NOTE: Date & initial all entries

Tuesday, 3/20/2007 1:51:48 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: AFT CROSSTUBE Customer: CU-DAR001 Dart Helicopters Services Job Number: 31369 Part Number: D2890 Job Number: Description: Seq. #: Machine Or Operation: INSPECT POWDER COAT/CHEMICAL CONVERSION 6.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: <u>W10</u>31378 FINAL INSPECTION/W/O RELEASE 8.0 Comment: FINAL INSPECTION/W/O RELEASE 4 Storie Job Completion

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #: Pault Category: NC	R: Yes	s No DQ A	٨:	Date: _	

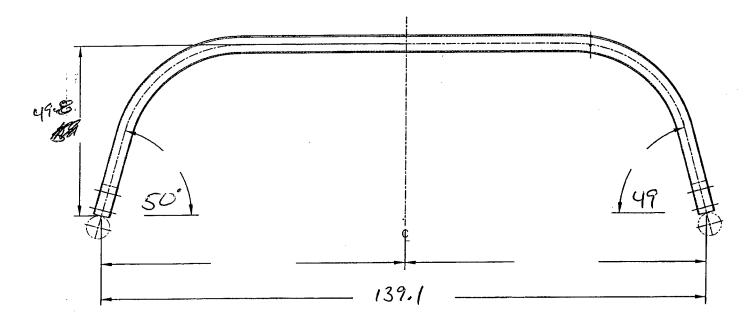
QA: N/C Closed: ____ Date: ____

NCR:		,	WORK ORD	ER NON-CONFORMANC	E (NCR)	-		
		Description of NC		Corrective Action Section B		Verification	Approval	Annroyal
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
						_		
			<u>.</u>					

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	31369
Description: Crosstube Aft	Part Number:	D2890
Inspection Dwg: D2890 Rev: B		Page 1 of 1

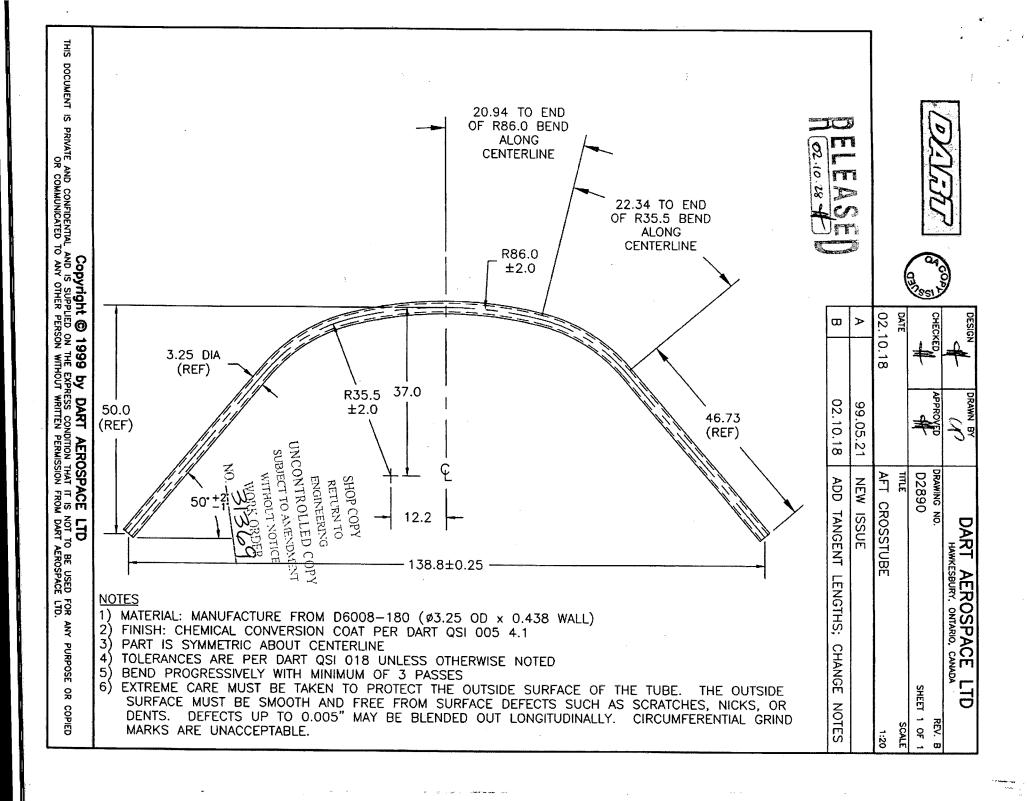
Required Dimension	Min	Max
Height	49.875	50.125
1/2 Span	- 69.275	69.525
Angle	49	52
Total Span	138.55	139.05



Used for -107 B31378, And	ldins fir
107 are good.	

QC15 Inspection	7
Date	0704.11

Rev	Date	Change	Revised by	Approved
A	07.02.06	New Issue	KJ/JM 🛠	/pu
	<u> </u>			







	DESIGN (P	DRAWN BY	DART AEROSPACE L HAWKESBURY, ONTARIO, CANADA	TD ·
	CHECKED	APPROVED	DRAWING NO.	REV. A
	4	#	D6008	SHEET 1 OF 1
ı	DATE		TITLE	SCALE
	00.11.17		CROSSTUBE MATERIAL	1:1
	Α	00.11.17	NEW ISSUE	

RETURN TO

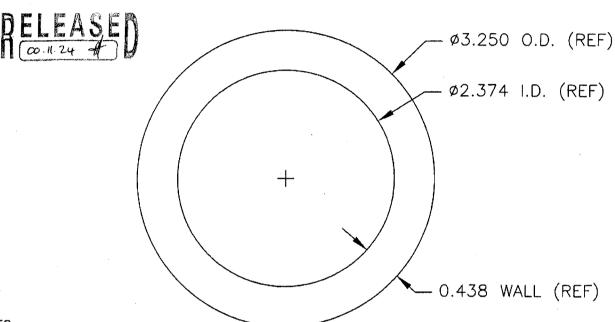
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WITHOUT NOTICE

SPECIFICATION CONTROL DRAWING



NOTES

1) D6008-XXX CROSSTUBE **LENGTH**

WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180

UU-A-225/9 OR 2) MATERIAL: 3.250 OD x 0.438 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-

QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi

MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: \pm 0.008 MEAN (\pm 0.016 INCLUDING OVALITY)

WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY)

LENGTH: XXX +0.125/-0.000 STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH 4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS DEFECTS UP TO 0.005" MAY BE BLENDED OUT SCRATCHES, NICKS, OR DENTS. LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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